

A film by Ben Kalina

# SHORED UP

When human nature and the force of nature collide.



MANGROVE MEDIA PRESENTS SHORED UP FROM DIRECTOR AND PRODUCER BEN KALINA  
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## Film Synopsis

Shored Up is an urgent call to action in the face of accelerating sea-level rise, presenting the devastation of Hurricane Sandy as a window into the future.

When Superstorm Sandy devastated the East Coast, it was a wake up call to a new reality. Shored Up takes us to the heart of this climate change controversy, following communities in New Jersey and North Carolina where politics, economics and science collide. Beginning 3 years before Sandy hit and following the debates over beach replenishment and other attempts to hold back the sea, Shored Up is a convincing call for action along our coasts. As the oceans rise and storms flood our towns and cities, we have a choice to make: do we continue to develop as we have in the past, ignoring clear risks and danger? Or, do we allow science to guide our policies for the future...before it's too late.

## Long Film Synopsis

Set in Long Beach Island, NJ and the Outer Banks of NC, the film explores the political conflicts and personal stakes of communities along the shore. Shored Up talks to scientists, politicians, residents and a wide range of experts to expose major shortcomings in coastal management and the immediate need for change. Filmed over three years and culminating in the impact of Hurricane Sandy, it becomes an eerie foretelling of the storm's devastation and a witness to its dramatic aftermath. Shored Up is a look at what happens when we ignore the realities of geology in our drive to inhabit and profit from our coastlines.

If our love affair with a view of the horizon and our urge to build bigger and higher are a cocktail leading coastal communities to the edge of disaster, then Shored Up is a tonic to awaken us to the crisis we face. From a feature documentary to an interactive website, mobile app and game, Shored Up develops across platforms to immerse us in the sand, waves, storms and history of our romance with the wild. It is a story told by the people and communities who are witness to rising seas on barrier islands, the most dynamic land-form in nature, the thin strips of sand where climate science and politics collide. For surfers and activists like Jon Coen and John Weber the force and impact of the ocean is clear: the storms that create the best surfing waves are also the storms that threaten to drown their communities. From the surfers of Long Beach Island to the scientists and politicians of the Outer Banks of North Carolina, Shored Up tells a complex story that will surprise and engage viewers and users all along our coasts. You can only tread water for so long on a coast that's going under, and Shored Up is provocative look at the choices we have to make where human nature and the force of nature collide.



Our story begins on the barrier island Long Beach Island (LBI), one of New Jersey's first beach resort communities. On a typical summer day waves lap gently on beaches covered with sunbathers while ice cream and sunblock flow by the gallon. But during the winter nature takes over as Nor'easters and an occasional hurricane batter the island, shifting mountains of sand, destroying homes and sometimes cutting the island to pieces. And on LBI, behind the tourist shops, ice cream parlors and sheen of happiness the decade-old battle between surfers and the Army Corps of Engineers over beach replenishment is playing out. As an engineering approach, beach replenishment is designed to protect property and infrastructure from erosion. But replenishment, like many engineering solutions has unexpected consequences like buried and altered surf breaks, dramatic increases in neck and back injuries and a scoured and damaged sea floor ecosystem. For surfer/conservationists like Coen and Weber these impacts are bad enough. But beach replenishment also masks a much larger problem. Replenishment and other forms of coastal engineering (like groins and jetties) are part of massive cycle of unsustainable development which is leaving us exposed to unimaginable risk up and down the coast. As legislatures re-write laws to ignore sea level rise, beach replenishment has morphed from a method to keep sand on the beach and tourists on their towels into a dangerous game of chicken with nature.

From LBI Shored Up travels to the Outer Banks of North Carolina to explore the issue that is the wild card in any conversation about beach erosion and the coasts: sea level rise. For decades progressive regulations in North Carolina have limited coastal engineering projects to protect and preserve coastal inlets and islands from overdevelopment. But as an ascendant Tea Party flexes its newfound political muscles in the state those policies are now under assault. The drama unfolds during the Coastal Resource Committee's annual meeting as pro-development lobbyists bury the Committee's own science panel recommendations, ignoring scientific consensus in favor of pro-development policies. Prominent scientists including Orrin Pilkey, Stan Riggs and Rob Young parry with mayors and business advocates Harry Simmons and Tommy Thompson as the science panel's role in policy-making is methodically undermined. As the debate intensifies, national press coverage from Scientific American to the Colbert Report brings this once obscure skirmish to light. But as a thoughtful policy debate is engulfed in nonsensical political rhetoric, consensus implodes and the waves keep creeping close

Along its journey between LBI and the Outer Banks, Shored Up interweaves the history of development along the Atlantic coast through interviews with historians, citizens and mayors including Deborah Whitcraft, Margaret Schram and Jonathon Oldham. With its broad scope and specific storyline Shored Up identifies a new flash point in the politics of climate change on the local, regional and national stage. With millions of citizens living at or near sea level there is an urgent need for a plan. Few of those living on the coast would deny that the seas are rising, so what's standing in the way of a common sense, shared vision for the future of our coasts? Shored Up is there to find out.



## Crew Bios



### **Ben Kalina, Director & Producer**

Ben is a film director and producer whose work focuses on the intersection of science, culture and the environment. He directs and produces original documentaries, narrative shorts and cross-media projects as well as client-driven video productions. Ben has worked for years with Nijji Films on the documentaries *Two Square Miles* and *A Sea Change*, two award winning films which have been successfully deployed for environmental justice and education, and both of which have been nationally broadcast in the U.S. Among his current projects Ben is currently directing and producing *Shored Up*, which explores the Army Corps' controversial and ongoing beach replenishment project along the New Jersey Shore. In addition to his documentary work Ben has won several international awards for his short narrative film, *Diorama*.

### **Brian Newman, Executive Producer**

Brian Newman is the founder and CEO of Crowd Play, LLC a recently funded start-up launching a mobile application called Flicklist in 2013. He is also the founder of Sub-Genre Media, a film and new media production, distribution and marketing company. Brian has served as CEO of the Tribeca Film Institute, president of Renew Media and executive director of IMAGE Film & Video. He blogs about film and new media at [Sub-Genre.com](http://Sub-Genre.com).



## **Jen Schneider, Director of Cinematography**

Jen Schneider is a cinematographer based in Philadelphia. Her credits as Director of Photography include *Anderson Monarchs*, a Sundance Grant-funded feature documentary about an all-girls soccer club in South Philadelphia, which was selected to participate in this year's Good Pitch program at Tribeca and is produced by Green Film Company (Freeconomics, By the People, For the People); "The\_Source", an interactive web series currently in development, awarded Best Drama and Best in Fest at LATV Fest, Best Drama at ITVFest, and was official selection at New York Television Festival; "RADAR," nominated for Best Documentary of 2010, a series of 3-minute webisodes on Babelgum that highlight the innovations and creative practices of emerging artists.

## **Marc D'Agostino, Editor**

Marc D'Agostino is a director and editor working in both fiction and documentary. He wrote, directed and edited the pilot for *The Source*, a sci-fi web series (Best Drama at the Independent Television Festival and at LATVFestival, where it also won the Fest's Grand Prize). The project has since been in development at Lionsgate. Most recently, Marc was the assistant editor for 9.14 Pictures' (Rock School, The Art of the Steal) newest film, *The Atomic States of America*, which was in the U.S. Documentary Competition at Sundance in 2012. Marc has an MFA in Film and Media Arts from Temple University.

## **Morgan Beard, Associate Producer**

Morgan graduated from Duke University in May, 2012 with a BA in Visual and Media Studies. She is an environmentalist, an artist and an amateur filmmaker. She has directed and produced several short documentary pieces for the Jefferson Awards for Public Service and previously worked for Alexandra Cousteau's non-profit Blue Legacy International, which develops and distributes traditional and new media projects to tell stories and inspire people to take action on critical water issues. She currently works with Brian Newman at Sub-Genre Media, doing a variety of production, distribution and marketing. Her portfolio can be found at [morganbeard.wix.com/portfolio](http://morganbeard.wix.com/portfolio).

## **Ian Markiewicz, Sound, Lighting, 2nd Camera**

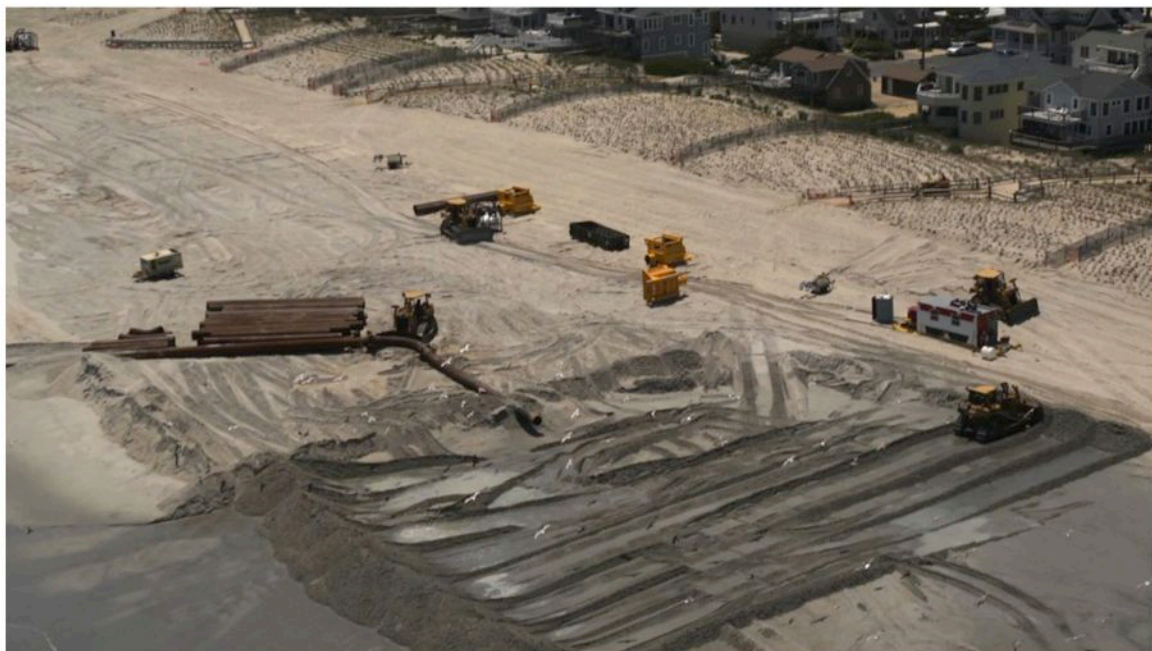
Ian Markiewicz is an independent filmmaker, artist, and university instructor interested in exploring the potency of independent media as a tool for social and environmental advocacy, cultural confluence, artistic vision and collaboration, and emotive storytelling. Ian teaches courses in film production and screenwriting at The University of the Arts and Temple University in Philadelphia and works as a freelance filmmaker in a range of capacities on projects and productions throughout the greater Philadelphia area. He spends most of his summers teaching students from around the world at the New York Film Academy programs in Paris, France, Budapest, Hungary, and Harvard University.



## Film Stills



**Credit:** Jen Schneider Holgate, Long Beach Island, Post-Sandy

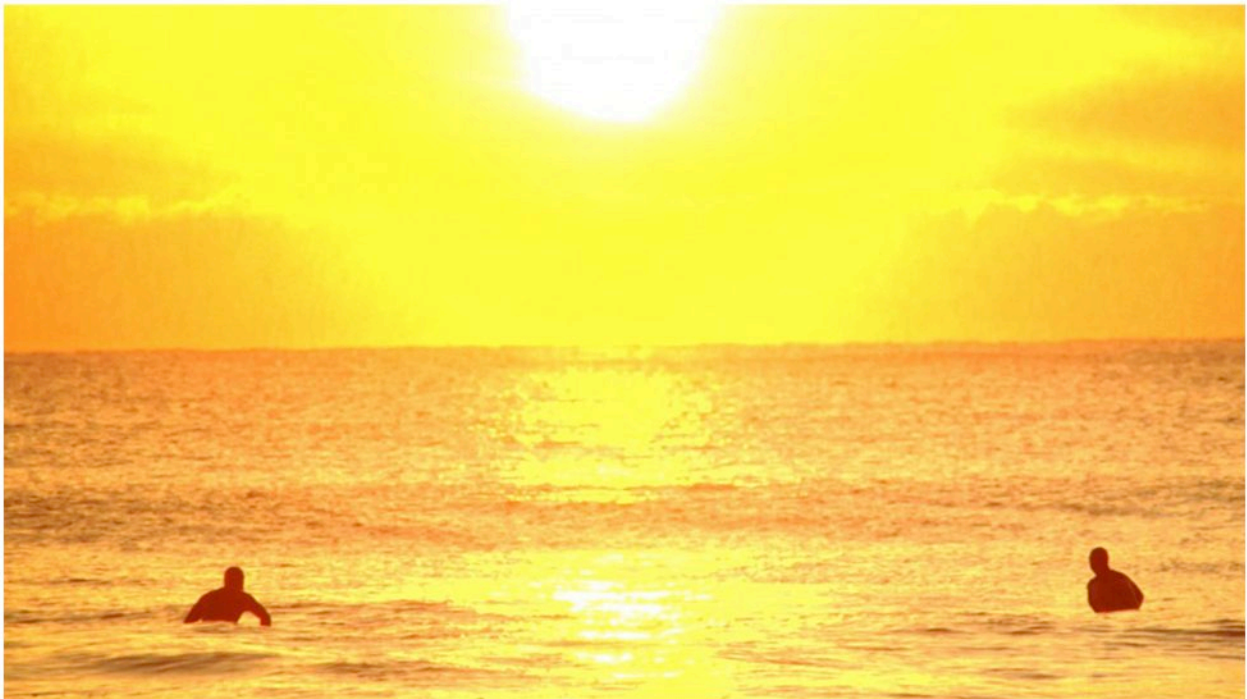


**Credit:** Jen Schneider Army Corps Beach Replenishment Project, Beach Haven, Long Beach Island





**Credit:** Jen Schneider Surfing at Harvey Cedars, Long Beach Island



**Credit:** Jen Schneider Sunrise in Harvey Cedars, Long Beach Island





**Credit:** Jen Schneider, Couch on the beach

## Production Still



**Credit:** Dave Maialetti, Ben Kalina in Beach Haven LBI



## Selected Film Festivals and Awards

The 2014 Sundance Institute and Hilton  
Worldwide LightStay Sustainability Award



2013 Montclair Film Festival  
2013 DOXA Documentary Film Festival  
2013 San Francisco Green Film Festival  
2013 Lighthouse International Film Festival  
2013 Provincetown International Film Festival  
2013 Surfalorus Film Festival  
2013 Sidewalk Film Festival  
2013 Dallas Video Fest  
2013 Flyway Film Festival

## Reviews

### The Village Voice

"Our seemingly innate desire to hang on to disappearing sand, which is essentially what our barrier islands are, is beautifully illustrated by the film's cinematography and historical footage."

<http://www.villagevoice.com/2013-11-27/film/shored-up/>

### The New York Times

"A thought-provoking documentary about the folly of shoreline construction in the Hurricane Sandy age"

[http://www.nytimes.com/2013/11/29/movies/build-a-beach-rinse-repeat.html?\\_r=1&](http://www.nytimes.com/2013/11/29/movies/build-a-beach-rinse-repeat.html?_r=1&)

### Variety

"Ben Kalina's sturdy documentary debut delivers a sobering examination of the threat of rising sea levels."

<http://variety.com/2013/film/reviews/film-review-shored-up-1200954374/>

### Press Contact:

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## Press

### New York Times

"Documentaries Thrive in Sandy's Ruins"

John Anderson's article about films produced in the wake of Sandy starts and ends with *Shored Up* – the only feature film in the bunch.

[http://www.nytimes.com/2013/02/03/movies/documentaries-in-the-wake-of-hurricane-sandy.html?\\_r=0](http://www.nytimes.com/2013/02/03/movies/documentaries-in-the-wake-of-hurricane-sandy.html?_r=0)

### The Associated Press

"Superstorm Moves Film from Theoretical to Concrete"

This story went on the AP and was picked up by the Wall Street Journal, Boston Globe, Miami Herald, BBC, YahooMovies, and more.

<http://movies.yahoo.com/news/superstorm-moves-film-theoretical-concrete-170325649.html>

## On the ban from the NC Museum of Natural Sciences

### Indiewire

"Should Public Museums Be Open to Screening Controversial Issue Films?"

"The parallels between this situation and the recent brouhaha over Carl Deal and Tia Lessin's Sundance film *"Citizen Koch"* are remarkable: the private support of public institutions seems to (though it can't be directly proven) be encouraging the silencing of critical voices."

<http://www.indiewire.com/article/should-public-museums-be-open-to-screening-controversial-issue-films>

### Science Magazine

"Science Museum Declines to Show Climate Change Film"

"A premier science museum in North Carolina has sparked some controversy by refusing to show an hourlong film about climate change and rising sea levels. "The suppression of information is not in the spirit of what a museum ought to do," says Charles "Pete" Peterson, a marine ecologist at the University of North Carolina's Institute of Marine Sciences in Morehead City."

<http://news.sciencemag.org/climate/2013/11/science-museum-declines-show-climate-change-film>

### Scientific American

"In NC, the Science Show Doesn't Go On"

"North Carolinians want to see the documentary, and they will. But now they have to wonder whether the anti-science crusaders have gone beyond the legislature, beyond even the director of the Department of the Environment and Natural Resources John Skvarla, who believes oil may be a renewable resource. Now they have to wonder about the director of their justly renowned science museum."

<http://blogs.scientificamerican.com/plugged-in-2013/11/19/in-nc-the-science-show-doesnt-go-on/>



# SHORED UP

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